

Remarks

The Examiner stated that the Information Disclosure filed on 4/11/05 failed to comply with the provision of 37 CFR 1.97, 1.97, 1.98 and MPEP § 609 because the application number does not match the application number of the current application. The Applicant's representative will refile the IDS separately from this amendment and in a timely manner.

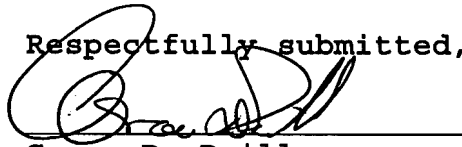
The Examiner objected to Claims 4-13 and 17-20 under 37 CFR § 1.75 (c) as being in improper form. The Applicant filed a First Preliminary Amendment on April 7, 2005 along with the application filing. The Applicant attaches a copy of the amendment as filed along with a copy of a returned post card indicating under item 4 that a "Preliminary Amendment with new claims 21-39" was included in the package filed on April 7, 2005.

In order to avoid any further delay the Applicant's representative is filing the same claim changes in this response.

The Examiner rejected Claims 1-3 and 14-16 under 35 U.S.C. 102(b) as being anticipated by Adams (3,318,302). The Applicant respectfully requests that the Examiner review her rejection in light of the new claims filed herein.

The Applicant requests consideration of new claims 21-39. The Applicant believes that the newly filed claims are clearly allowable.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Gerow D. Brill", is written over a horizontal line.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****PCT GROUP**

In re the Application of:	)	Title: Method And Equipment
Robert E. Imhof	)	For Measuring Vapour Flux
	)	From Surfaces
U.S. Serial No.: Not Yet Assigned	)	
	)	Art Unit: Unknown
International Application No.:	)	
PCT/GB2003/004365	)	Examiner: Unknown
	)	
International Filing Date:	)	Atty. Docket: BSL-1-PCT
8 October 2003	)	
	)	I hereby certify that this
U.S. Filing Date: 8 Oct. 2003	)	correspondence is being deposited with
	)	the United States Postal Service as
	)	Express Mail in an envelope addressed
	)	to: Commissioner for Patents,
	)	Alexandria, V.A. 22313 on 7 April
	)	2005.
<b><u>FIRST PREIMINARY AMENDMENT</u></b>	)	
	)	Ronald B. Sherer

Honorable Commissioner  
for Patents

*Ronald B. Sherer*  
7 April 2005

Sir:

Please amend the above-identified International (PCT)  
Application, which is filed herewith, as follows:

In order to reduce the filing fee, and also improve the form  
of the claims and thereby expedite the prosecution, please cancel  
Claims 1 - 20 and enter New Claims 21 - 39.

**STATUS OF CLAIMS**

Claims 1 - 20 (Cancelled)

Claims 21- 39 (New)

21. (New) Equipment for measuring water vapour flux density from a surface which equipment comprises:

(i) a measurement chamber with a single opening at one end, which opening is adapted to be placed against the test surface;

(ii) an air agitating means positioned within the measurement chamber; and

(iii) a means to measure the water vapour density within the chamber.

22. (New) Equipment as claimed in Claim 21 in which said air agitating means within the chamber is able to purge the chamber with ambient air before and/or after each measurement.

23. (New) Equipment as claimed in Claim 21 in which said air agitation means within the measurement chamber is a mechanical device.

24. (New) Equipment as claimed in Claim 21 in which said air agitation means comprises a fan.

25. (New) Equipment as claimed in Claim 21 including motive power means comprising electrical, pneumatic or other means for providing rotary, reciprocating or other motion to fluid mixing means comprising a propeller or paddle.

26. (New) Equipment as claimed in Claim 25 in which said motive power means is outside of the measurement chamber and is coupled to said agitator inside the measurement chamber by means of a shaft, electromagnetic or other form of coupling.

27. (New) Equipment as claimed in Claim 21 in which the means to measure the water vapour density within the chamber comprise sensor means for measuring quantities from which the density of water vapour within the chamber can be calculated.

28. (New) Equipment as claimed in Claim 27 in which at least one sensor comprises means for measuring the relative humidity in the chamber.

29. (New) Equipment as claimed in Claim 27 in which there are a plurality of sensors.

30. (New) Equipment as claimed in Claim 21 include a sensor for measuring the absorption of infrared radiation of suitable wavelength by the vapour.

31. (New) Equipment as claimed in Claim 21 equipped with sensor means for measuring the density of a vapour other than water vapour for measuring the flux density of such vapour.

32. (New) Equipment as claimed in Claim 21 including means for starting the measurement manually by the operator or automatically by additional sensor means.

33. (New) Equipment as claimed in Claim 21 in which the measurement chamber is incorporated in a hand-held enclosure.

34. (New) Equipment as claimed in Claim 27 including sensor means for measuring both the relative humidity and the temperature within the chamber.

35. (New) A method for measuring vapour flux density from a surface which method comprises placing the open end of a measurement chamber with a single opening at one end against the surface, agitating the air within the chamber and measuring changes of vapour flux density within the chamber.

36. (New) A method as claimed in Claim 35 including the step of purging said chamber with ambient air before and/or after each measurement.


37. (New) A method as claimed in Claims 35 and 36 whereby the said measurement chamber is equipped with sensors and the rate of rise of water vapour density within it determined, which rate of

rise is used to calculate water vapour flux density and related quantities.

38. (New) A method as Claimed in Claim 35 in which the vapour flux of vapours other than water vapour is measured.

39. (New) A method as claimed in Claim 35 including the step of mixing ambient air in the chamber to an extent such as to produce a vapour-air mixture of substantially uniform humidity and temperature.

Respectfully submitted,

  
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